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1/1 - (C) FILE CAPLUS  
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DN - 131:248081  
ED - Entered STN: 23 Sep 1999  
TI - Dentifrices containing cationic microbicides and nonionic surfactants  
IN - Lin, Chinling; Saito, Toru  
PA - Sunstar, Inc., Japan  
SO - Jpn. Kokai Tokkyo Koho, 18 pp.  
CODEN: JKXXAF  
DT - Patent  
LA - Japanese  
IC - ICM A61K007-16  
ICS A61K007-22  
CC - 62-7 (Essential Oils and Cosmetics)  
Section cross-reference(s): 1, 63

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN - JP11255629	A2	19990921	JP 1998-97903	19980409 <--
PRAI- JP 1998-15121		19980108		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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JP 11255629	ICM	A61K007-16
	ICS	A61K007-22

AB - Dentifrices, useful for dental plaque control, contain cationic microbicides and nonionic surfactants selected from polyoxyethylene Cl0-18 alkyl ethers [8-10 mol ethylene oxide (EO) adducts] and polyoxyethylene nonylphenyl ether (10-18 mol EO adduct). An aq. soln. contg. 0.05 wt.% cetylpyridinium chloride and 0.5 wt.% polyoxyethylene Cl3 alkyl ether (EO 8 mol) controlled Streptococcus oralis in a dental plaque model.

ST - dentifrice cationic microbicide nonionic surfactant; dental plaque control cetylpyridinium polyoxyethylene ether; nonylphenyl polyoxyethylene ether dentifrice cetylpyridinium chloride; Streptococcus plaque control dentifrice polyoxyethylene surfactant

IT - Amino acids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(N-acyl, basic; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Amino acids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(basic, N-acyl; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Diphosphates  
Polyphosphates  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(chelating agent; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Antibacterial agents

Chelating agents

Dentifrices

Mouthwashes

(dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Quaternary ammonium compounds, biological studies

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Alcohols, biological studies

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(ethoxylated; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Phosphates, biological studies

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(metaphosphates, chelating agent; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Surfactants

(nonionic; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Tooth

(plaque; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Essential oils

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(plum; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - Polyphosphoric acids

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sodium salts, chelating agent; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - 56-41-7, Alanine, biological studies 60-00-4, Edetic acid, biological studies 68-04-2, Sodium citrate 77-92-9, biological studies 87-69-4, biological studies 90-80-2, Glucono-.delta.-lactone 139-33-3, Disodium edetate 150-39-0D, Hydroxyethylenediaminetriacetic acid, salts 526-95-4, Gluconic acid 7722-88-5

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic

use); BIOL (Biological study); USES (Uses)  
(chelating agent; dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - 55-56-1, Chlorhexidine 98-79-3D, Pyrrolidonecarboxylic acid, salts with N-cocoyl-L-arginine Et ester 123-03-5, Cetylpyridinium chloride 2577-94-8D, L-Arginine methyl ester, N-cocoyl, hydrochlorides 3697-42-5, Chlorhexidine hydrochloride 9002-92-0, Polyoxyethylene dodecyl ether 9004-95-9, Polyoxyethylene hexadecyl ether 9005-00-9, Polyoxyethylene octadecyl ether 9016-45-9, Polyoxyethylene nonylphenyl ether 9036-19-5, Polyoxyethylene octylphenyl ether 18472-51-0, Chlorhexidine gluconate 24938-91-8, Polyoxyethylene tridecyl ether 26183-52-8, Polyoxyethylene decyl ether 27252-75-1, Polyoxyethylene octyl ether 27306-79-2, Polyoxyethylene tetradecyl ether 28696-31-3D, L-Arginine ethyl ester, N-cocoyl, salts 34398-05-5, Polyoxyethylene pentadecyl ether 39587-22-9, Polyoxyethylene nonyl ether 45292-97-5 48076-74-0

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

IT - 97-53-0, Eugenol 104-46-1, Anethole  
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(dentifrices contg. cationic microbicides and nonionic surfactants for improved permeability)

